

				Subj	ect (Cod	e: K	CA	A01
Roll No:									

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MCA (SEM II) THEORY EXAMINATION 2021-22 CYBER SECURITY*

Time: 3 Hours Total Marks: 100

	1. Attempt all Sections. If require any missing data; then choose suitably.	arks: 10	,			
1	SECTION A	2 v 10 -	20			
Q no.	Attempt all questions in brief. Question	2 x 10 =	CO			
a.	Define the terms cyber Security.	2	1			
b.	Define the various goal of cyber Security.	2	1			
c.	Explain the working of Intrusion Detection System.	2	2			
d.	Describe the term threats.	2	2			
e.	Explain the advantages of doing e-commerce.	2	3			
f.	Describe the requirement of cryptography.					
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g.	Describe the purpose of organizational standards and related policies.					
h.	Explain the need of WWW policy.					
i.	Explain the use of ISO standard.	2	5			
j.	Write a note on IPR.	2	5			
2.	SECTION B Attempt any three of the following:					
Q no.	Question	Marks	CO			
a.	Differentiate between active attacks & passive attacks with examples.	10	1			
b.	Explain the various categories of possible VPN services in detail.	10	2			
c.	Explain e-payment system in detail with its various uses in business.	10	3			
d.	The state of the s	1 0 uitab				
	example.					
e.	Describe the cyber Laws in India.	10	5			
	SECTION C					
3. Q no.	Attempt any one part of the following: Ouestion	Marks	СО			
	Differentiate between operational support system and managerial support system in					
a.	detail.	10	1			
b.	Explain the main features of all the models involved in development	nt0 of	anl			
	Information system.					
4.	Attempt any <i>one</i> part of the following: Differentiate the working of firewall and intrusion detection system.	10	2			
a. b.	Describe the various security considerations for START-Ups in INDIA?	10	2			
5.	<u> </u>	10	2			
a.	Attempt any one part of the following: Describe the usefulness of CCTV and Data Backups in physical sec	u til v of	3			
	organizational assets.	<i></i>				
b.	Describe the way digital signature is used during communicating the messages.	10	3			
6.	Attempt any one part of the following:	Į.				
a.	Write down the security policies in India.	10	4			
b.	Define the term Policy and Explain the various steps involved in policy Review process.	10	4			
7.	Attempt any one part of the following:	.— -	1			
a.	Write a Note on Following: (i) Copy Right Act., (ii) Patent law.	10	5			
b.	Describe different provisions of IT ACT 2000.	10	5			